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TI Preparation of N-alkyl-2-pyrrolidone from .gamma.-butyrolactone or its
analogs

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SO Jpn. Kokai Tokkyo Koho, 4 pp.

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AB N-alkyl-2-pyrrolidone is prepd. by treatment of .gamma.-butyrolactone (I),
4-hydroxybutyric acid (II), or its oligomer (III) with .gtoreq.1
alkylamine(s) in the presence of carboxylic acid (other than II or III),
carboxylate ester, or carboxamide. Thus, I was autoclaved with MeNH₂,
Me₂NH, Me₃N, and AcOMe in H₂O for 5 h to give 94.9%
N-methyl-2-pyrrolidone.

IC ICM C07D207-267

ICS B01J031-04; C07B061-00

DT Patent

LA Japanese